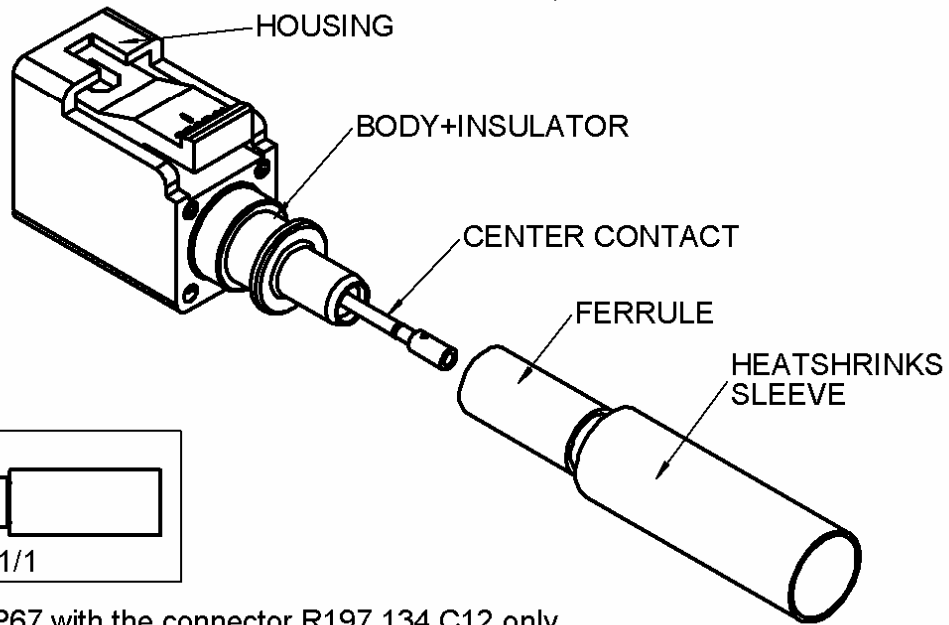
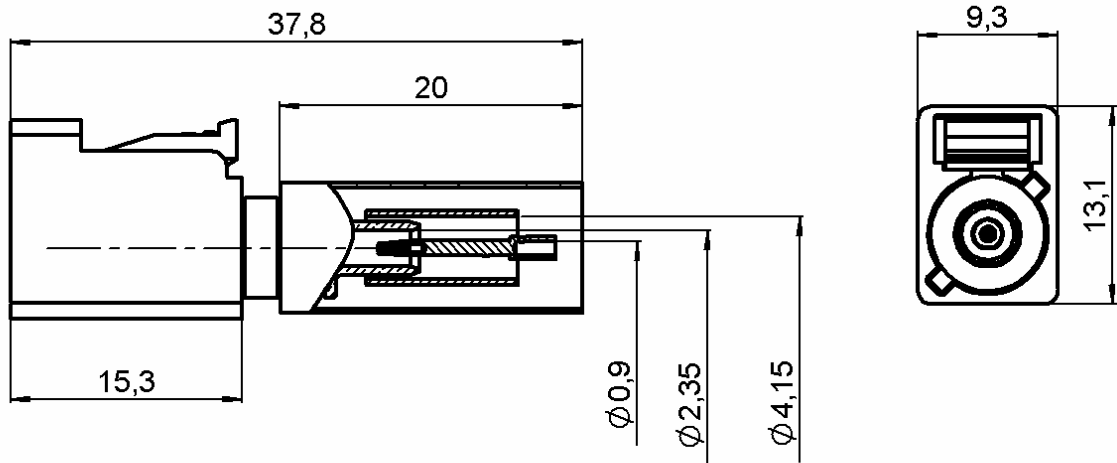


WATERPROOF STRAIGHT PLUG CRIMP+HOUSING

R197.114.C12

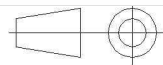
CABLE 3.2/50S

Series : **SMB**
CARLOCK



IP67 with the connector R197.134.C12 only

All dimensions are in mm.



COMPONENTS	MATERIALS	PLATINGS (µm)
BODY	BRONZE	NICKEL 2
CENTER CONTACT	BRONZE	GOLD 0.8 OVER NICKEL 2
OUTER CONTACT		
INSULATOR	PTFE	
GASKET	NBR 70	
OTHERS PARTS	BRASS	NICKEL 2
		UL CLASSIFICATION
HOUSING	PA6.6 GF15 (POLYAMIDE)	UL 94 V-2
		COLOR
		SEE PAGE 3

Issue : 0539 A

In the effort to improve our products, we reserve the right to make changes judged to be necessary.



WATERPROOF STRAIGHT PLUG CRIMP+HOUSING

R197.114.C12

CABLE 3.2/50S

Series : **SMB**
CARLOCK

PACKAGING

Standard	Unit	Other
100	'W' option	Contact us

SPECIFICATION

ELECTRICAL CHARACTERISTICS

Impedance		50 Ω
Frequency		0-4 GHz
VSWR	TBD +	0.000 x F(GHz) Maxi
Insertion loss		TBD √F(GHz) dB Maxi
RF leakage	- (TBD	- F(GHz)) dB Maxi
Voltage rating		335 Veff Maxi
Dielectric withstanding voltage		1000 Veff mini
Insulation resistance		1000 MΩ mini

CABLE ASSEMBLY

Stripping	a	b	c	d	e	f
mm	3.00	5.50	14.0	0.00	11.0	0.00

Assembly instruction : **See page 4**

Recommended cable(s)
RTK 031

Characteristics indicated on this data sheet are those that can be achieved with the highest performance cable. Intrinsic limitations of the cable may diminish the performance of the assembly

Cable retention

- pull off **110*** N mini
- torque **NA** N.cm

MECHANICAL CHARACTERISTICS

Center contact retention		
Axial force – Mating end	10	N mini
Axial force – Opposite end	10	N mini
Torque	NA	N.cm mini

TOOLING

Part Number	Description	Hexagon
.	.	.
R282.235.911	CRIMPING DIES	Hex : 4.3 Square 1.2
R282.293.000	CRIMPING TOOL	

Recommended torque		
Mating	NA	N.cm
Panel nut	NA	N.cm
Clamp nut	NA	N.cm
A/F clamp nut	0.000	mm

OTHERS CHARACTERISTICS

*Depends on the cable used

Mating life	10	Cycles mini
Weight	1.996	g

ENVIRONMENTAL

Operating temperature	-40/+110*	° C
Hermetic seal	NA	Atm.cm3/s
Panel leakage	NA	

Issue : **0539 A**

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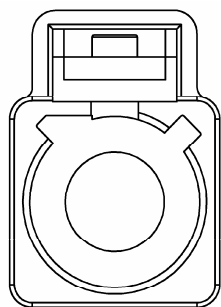


WATERPROOF STRAIGHT PLUG CRIMP+HOUSING

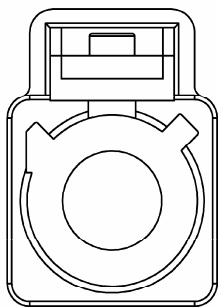
R197.114.C12

CABLE 3.2/50S

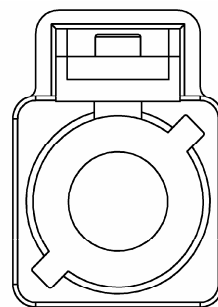
Series : **SMB**
CARLOCK



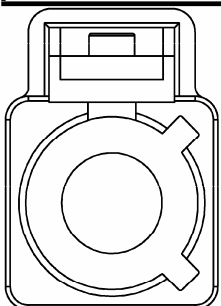
CODING A
COLOR BLACK
RAL 9005



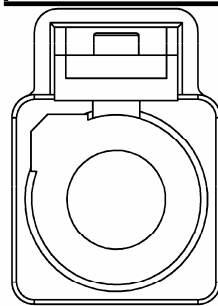
CODING B
COLOR WHITE
RAL 9003



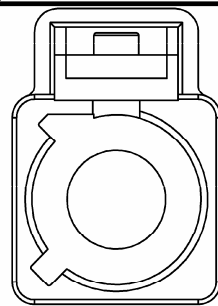
CODING C
COLOR BLUE
RAL 5005



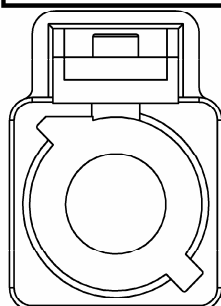
CODING D
COLOR BORDEAUX
VIOLET
RAL 4004



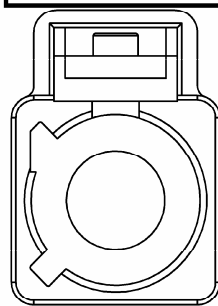
CODING E
COLOR GREEN
RAL 6002



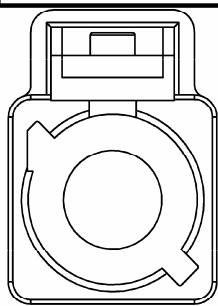
CODING F
COLOR BROWN
RAL 8011



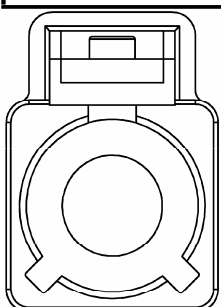
CODING G
COLOR GREY
RAL7031



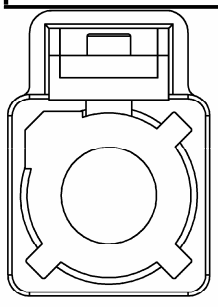
CODING H
COLOR VIOLET
RAL 4003



CODING I
COLOR BEIGE
RAL 1001



CODING K
COLOR CURRY
RAL 1027



CODING Z
COLOR WATER BLUE
RAL 5021

UL CLASSIFICATION
UL 94V-2

*According to FAKRA specifications

- To obtain the complete P/N please fill in the blank " _ " with the coding letter

Issue : 0539 A

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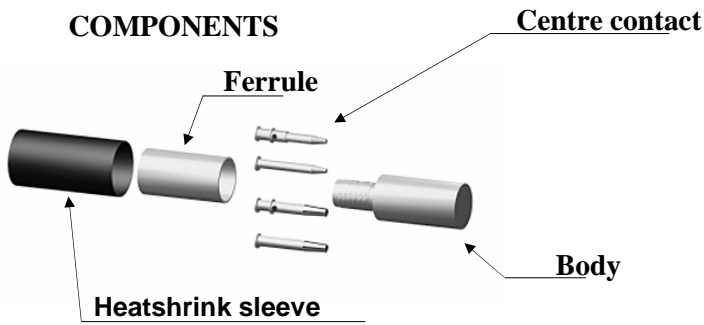
WATERPROOF STRAIGHT PLUG CRIMP+HOUSING

R197.114.C12

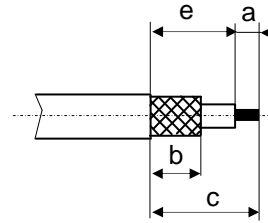
CABLE 3.2/50S

Series : **SMB**
CARLOCK

COMPONENTS

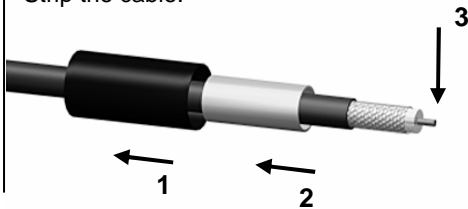


STRIPPING DIMENSIONS



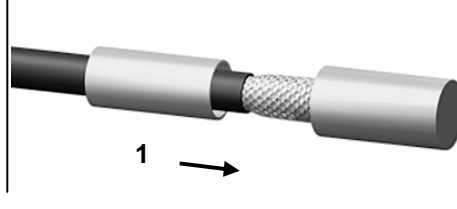
1

Slide the heatshrink sleeve onto the cable.
Slide the ferrule onto the cable.
Strip the cable.



4

Slide the cable into the body until it bottoms against the insulator.



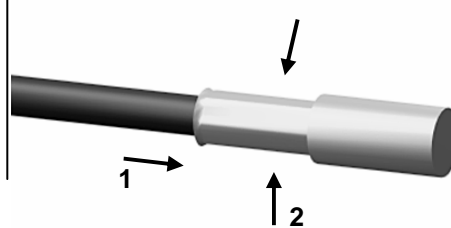
2

Slide the centre contact on until it bottoms against the cable dielectric.
Solder the centre contact.
Clean solder area.



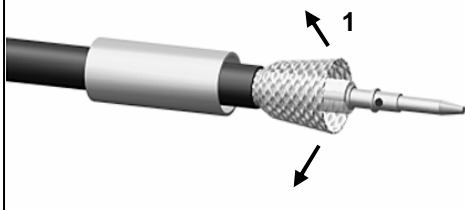
5

Slide the ferrule over the braid.
Crimp the ferrule with crimping tool (see connector TDS).



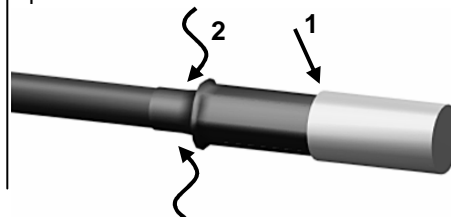
3

Fan the braid.



6

Cut the excess of braid if necessary.
Slide the sleeve over the ferrule and heatshrink it in place.



Issue : 0539 A

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